

Phase: KS1

Subject: Design Technology

Focus: Puppets

Term: Spring 1

## What I should already know?

- To use tools and equipment, scissors and glue correctly.
- To select and use simple tools to cut and join a range of materials.

## Knowledge

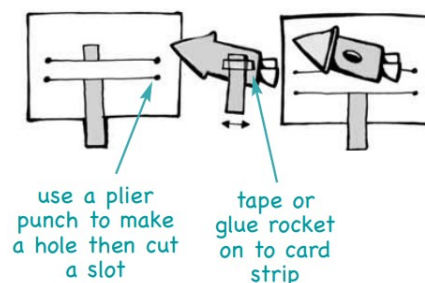
Sliders help to move things from side to side and up and down.

Levers use a fixed point to make things move in a arc (curve).

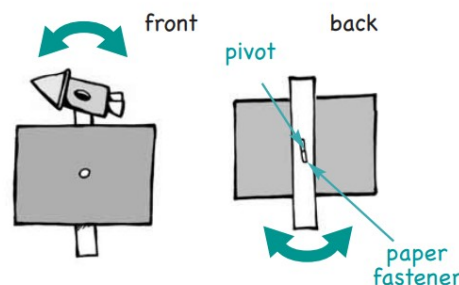
## Vocabulary

Levers	A beam or bar which turns about a point.
Mechanism	Components acting together to make an action take place.
Pivot	A point about which a lever turns.
Slider	A slider produces basic linear movement - it is different from a lever because it does not have a pivot. A slider is like a handle for the moving picture.
Wheels	A wheel pivot around to display different images.

## Simple sliding mechanisms



## Simple lever mechanisms



## By the end of the unit I should know...

- Be able to identify a lever and a slider in an existing product.
- Know and explain how to create a working slider.
- Know and explain how to create a working lever.
- Use these words correctly: design, slider, lever, mechanism, pivot.
- Year 2—Distinguish between fixed and loose pivots.
- How to create simple design criteria and communicate ideas through talking, drawing and labelling.
- Use tools and equipment—scissors, split pins, tape, glue correctly

<u>Question 1</u>	<u>Start of Unit</u>	<u>End of Unit</u>
What is a lever?		
Something that can move from side to side.		
A mechanism that turns about a point.		
Something that can move up and down.		
Don't know		

<u>Question 2</u>	<u>Start of Unit</u>	<u>End of Unit</u>
What is a slider?		
Something that can move from side to side and up and down.		
A mechanism that turns about a point.		
Something that you travel down.		
Don't know		

<u>What I would like to find out?</u>

<u>Answers to my questions...</u>